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Response to Office Action Mailed May 4, 2004  
August 4, 2004**AMENDMENT TO THE CLAIMS**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1 (Cancelled).

2-17 (Cancelled).

1           18 (Currently Amended). A reproduction apparatus providing reproduction  
2    protection, for operating on main data that have been encoded with a video data  
3    encoding method using a DCT (Discrete Cosine Transform) method of an MPEG  
4    algorithm, which are conveyed by a data recording medium and which express a  
5    single original signal, the apparatus comprising:  
6           means for detecting medium protection data which are respectively specific  
7    to one or more predetermined data portions within said main data, which express  
8    for each said predetermined data portion of said main data a medium protection  
9    level as a predetermined number of units and which are also conveyed by said data  
10   recording ~~medium~~ medium, and wherein said data recording medium conveys said  
11   medium protection data and said main data in an identical form;  
12           means for detecting protection position information which specifies  
13   respective positions of said predetermined data portions within said main data as  
14   positions at which to apply said reproduction protection, said protection position  
15   information also being conveyed by said data recording medium;

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16 means for generating apparatus protection data which are specific to said  
17 reproduction apparatus;

18 means for defining respective protection levels for said main data portions  
19 based on said medium protection data and said apparatus protection data in  
20 combination; and

21 means for executing reproduction of said main data in accordance with said  
22 protection level and said protection position information.

1 19 (Currently Amended). A reproduction protection method providing  
2 reproduction protection, for operating on main data which are conveyed by a data  
3 recording medium and have been encoded with a video data encoding method  
4 using a DCT (Discrete Cosine Transform) method of an MPEG algorithm, and  
5 which express a single original signal, the method comprising the steps of:

6 detecting medium protection data which are respectively specific to one or  
7 more predetermined data portions within said main data, which express for each  
8 said predetermined data portion of said main data a medium protection level as a  
9 predetermined number of units and which are also conveyed by said data  
10 recording medium;

11 wherein said data recording medium conveys said medium protection data  
12 and said main data in an identical form;

13 detecting protection position information which specifies respective  
14 positions of said predetermined data portions within said main data as positions at

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15 which to apply said reproduction protection, said protection position information  
16 also being conveyed by said data recording medium;  
17 generating apparatus protection data which are specific to a reproduction  
18 apparatus operating on said main data;  
19 defining respective protection levels for said main data portions based on  
20 said medium protection data and said apparatus protection data in combination;  
21 and  
22 executing reproduction of said main data in accordance with said  
23 protection level and said protection position information.

1 20 (Currently Amended). A data recording medium for transferring main  
2 data ~~which express a single original~~ signal to a reproduction apparatus, apparatus  
3 to reproduce said main data by said reproduction apparatus, said main data having  
4 been encoded with a video data encoding method using a DCT (Discrete Cosine  
5 Transform) method of an MPEG algorithm, and expressing a single original  
6 signal, characterized in that:

7 said data recording medium further transfers medium protection data which  
8 are respectively specific to one or more predetermined data portions within said  
9 main data, and which express for each said predetermined data portion of said  
10 main data a medium protection level as a predetermined number of units, and  
11 moreover transfers protection position information which specifies respective  
12 positions of said predetermined data portions within said main data as positions at

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13 which to apply said reproduction protection;  
14 wherein said data recording medium conveys said medium protection data  
15 and said main data in an identical form;  
16 said reproduction apparatus generates apparatus protection data which are  
17 specific to said reproduction apparatus;  
18 said medium protection data and said apparatus protection data in  
19 combination specify respective degrees of restriction on said reproduction of said  
20 portions of the main data by said reproduction apparatus, and  
21 said reproduction of the main data is executed in accordance with said  
22 degrees of restriction, specified by said medium protection data transferred by said  
23 recording medium and said apparatus protection data, and in accordance with said  
24 protection position information transferred by said recording medium.

1 21 (Currently Amended). A decoding apparatus providing decoding  
2 protection, for operating on information which is conveyed by a data recording  
3 medium and which comprises main data that are to be decoded and which express  
4 a single original signal, and medium protection data, said main data having been  
5 encoded with a video data encoding method using a DCT (Discrete Cosine  
6 Transform) method of an MPEG algorithm, the apparatus comprising:

7 means for detecting said medium protection data, which are respectively  
8 specific to one or more predetermined data portions within said main data, which  
9 express for each said predetermined data portion of said main data a medium

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10 protection level as a predetermined number of units and which are also conveyed  
11 by said data recording medium, wherein said data recording medium conveys said  
12 medium protection data and said main data in an identical form;

13 means for detecting protection position information which specifies  
14 respective positions of said predetermined data portions within said main data as  
15 positions at which to apply said decoding protection, said protection position  
16 information also being conveyed by said recording medium;

17 means for generating apparatus protection data which are specific to said  
18 decoding apparatus;

19 means for defining respective protection levels for said main data portions  
20 based on said medium protection data and said apparatus protection data, in  
21 combination; and

22 means for executing decoding of said main data in accordance with said  
23 protection levels and said protection position information.

1 22 (Currently Amended). A decoding protection method providing decoding  
2 protection in a decoding apparatus, for operating on information which is  
3 transferred by a recording medium and which comprises main data to be decoded  
4 and medium protection data, said main data expressing a single original signal and  
5 having been encoded with a video data encoding method using a DCT (Discrete  
6 Cosine Transform) method of an MPEG algorithm, the method comprising the  
7 steps of:

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8 detecting said medium protection data which are respectively specific to one  
9 or more ~~a plurality of~~ predetermined data portions within said main data, which  
10 express for each said predetermined data portion of said main data a medium  
11 protection level as a predetermined number of units and which are also transferred  
12 by said recording medium, said recording medium transferring said medium  
13 protection data and said main data in an identical form;

14 detecting protection position information which specifies respective  
15 positions of said predetermined data portions within said main data as positions at  
16 which to apply said decoding protection, said protection position information also  
17 being transferred by said recording medium;

18 generating apparatus protection data which are specific to said decoding  
19 apparatus;

20 defining respective protection levels for said main data portions based on  
21 said medium protection data and said apparatus protection data, in combination;  
22 and

23 executing decoding of said main data in accordance with said protection  
24 levels and said protection position information.

23-27 (Cancelled).

1 28 (Previously Presented). The reproduction apparatus according to claim 18,  
2 wherein said apparatus protection data comprises a first set of data and a second

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3 set of data such that said first set of data cannot be modified by a user of said  
4 reproduction apparatus and said second set of data can be modified by said user,  
5 said first set of data is specific to a region or a country in which said reproduction  
6 apparatus is to be used, and said second set of data specifies operating condition  
7 information other than information which is specific to said region or country.

1 29 (Previously Presented). The reproduction protection method according to  
2 claim 19, wherein said apparatus protection data comprises a first set of data and a  
3 second set of data such that said first set of data cannot be modified by a user of  
4 said reproduction apparatus and said second set of data can be modified by said  
5 user, said first set of data is specific to a region or a country in which said  
6 reproduction apparatus is to be used, and said second set of data specifies  
7 operating condition information other than information which is specific to said  
8 region or country.

1 30 (Previously Presented). The data recording medium according to claim 20,  
2 wherein said apparatus protection data comprises a first set of data and a second  
3 set of data such that said first set of data cannot be modified by a user of said  
4 reproduction apparatus and said second set of data can be modified by said user,  
5 said first set of data is specific to a region or a country in which said reproduction  
6 apparatus is to be used, and said second set of data specifies operating condition  
7 information other than information which is specific to said region or country.

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1           31 (Previously Presented). The decoding apparatus according to claim 21,  
2 wherein said apparatus protection data comprises a first set of data and a second  
3 set of data such that said first set of data cannot be modified by a user of said  
4 decoding apparatus and said second set of data can be modified by said user, said  
5 first set of data is specific to a region or a country in which said decoding  
6 apparatus is to be used, and said second set of data specifies operating condition  
7 information other than information which is specific to said region or country.

1           32 (Previously Presented). The decoding protection method according to claim  
2 22, wherein said apparatus protection data comprises a first set of data and a  
3 second set of data such that said first set of data cannot be modified by a user of  
4 said decoding apparatus and said second set of data can be modified by said user,  
5 said first set of data is specific to a region or a country in which said decoding  
6 apparatus is to be used, and said second set of data specifies operating condition  
7 information other than information which is specific to said region or country

1           33 (Previously Presented). A reproduction apparatus as recited in claim 18,  
2 wherein said means for executing reproduction of said main data operates for  
3 implementing a protection of the reproduced main data by restricting reproduction  
4 thereof in accordance with said protection level and said protection position  
5 information.



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1           34 (Previously Presented). A reproduction protection method as recited in  
2 claim 19, wherein said step of executing reproduction of said main data comprises  
3 the further step of implementing a protection of the reproduced main data by  
4 restricting reproduction thereof in accordance with said protection level and said  
5 protection position information.

1           35 (Previously Presented). A data recording medium as recited in claim 20,  
2 wherein said reproduction of said main data is restricted in accordance with said  
3 protection level and said protection position information.

1           36 (Previously Presented). A decoding apparatus as recited in claim 21,  
2 wherein said means for executing decoding of said main data operates for  
3 implementing a protection of the decoded main data by restricting decoding  
4 thereof in accordance with said protection level and said protection position  
5 information.

1           37 (Previously Presented). A decoding protection method apparatus as  
2 recited in claim 22, wherein said step of executing decoding of said main data  
3 operates for implementing a protection of the decoded main data by restricting  
4 decoding thereof in accordance with said protection level and said protection  
5 position information.

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1           38 (Previously Presented). The reproduction apparatus according to claim 18,  
2   wherein said main data represent a video signal and wherein each of said  
3   predetermined data portions represents a predetermined sequence of one or more  
4   frames of said video signal.

1           39 (Previously Presented). The reproduction apparatus according to claim 18,  
2   wherein said main data represent a video signal and wherein each of said  
3   predetermined data portions represents one or more predetermined regions within  
4   each of a sequence of one or more predetermined sequential frames of said video  
5   signal.

1           40 (Previously Presented). The reproduction protection method according to  
2   claim 19, wherein said main data represent a video signal and wherein each of said  
3   predetermined data portions represents a predetermined sequence of one or more  
4   frames of said video signal.

1           41 (Previously Presented). The reproduction protection method according to  
2   claim 19, wherein said main data represent a video signal and wherein each of said  
3   predetermined data portions represents one or more predetermined regions within

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4 each of a sequence of one or more predetermined sequential frames of said video  
5 signal.

1 42 (Previously Presented). The data recording medium according to claim 20,  
2 wherein said main data represent a video signal and wherein each of said  
3 predetermined data portions represents a predetermined sequence of one or more  
4 frames of said video signal.

1 43 (Previously Presented). The data recording medium according to claim 20,  
2 wherein said main data represent a video signal and wherein each of said  
3 predetermined data portions represents one or more predetermined regions within  
4 each of a sequence of one or more predetermined sequential frames of said video  
5 signal.

1 44 (Previously Presented). The decoding apparatus according to claim 21,  
2 wherein said main data represent a video signal and wherein each of said  
3 predetermined data portions represents a predetermined sequence of one or more  
4 frames of said video signal.

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1           45 (Previously Presented). The decoding apparatus according to claim 21,  
2   wherein said main data represent a video signal and wherein each of said  
3   predetermined data portions represents one or more predetermined regions within  
4   each of a sequence of one or more predetermined sequential frames of said video  
5   signal.

1           46 (Previously Presented). The decoding protection method according to claim  
2   22, wherein said main data represent a video signal and wherein each of said  
3   predetermined data portions represents a predetermined sequence of one or more  
4   frames of said video signal.

1           47 (Previously Presented). The decoding protection method according to claim  
2   22, wherein said main data represent a video signal and wherein each of said  
3   predetermined data portions represents one or more predetermined regions within  
4   each of a sequence of one or more predetermined sequential frames of said video  
5   signal.